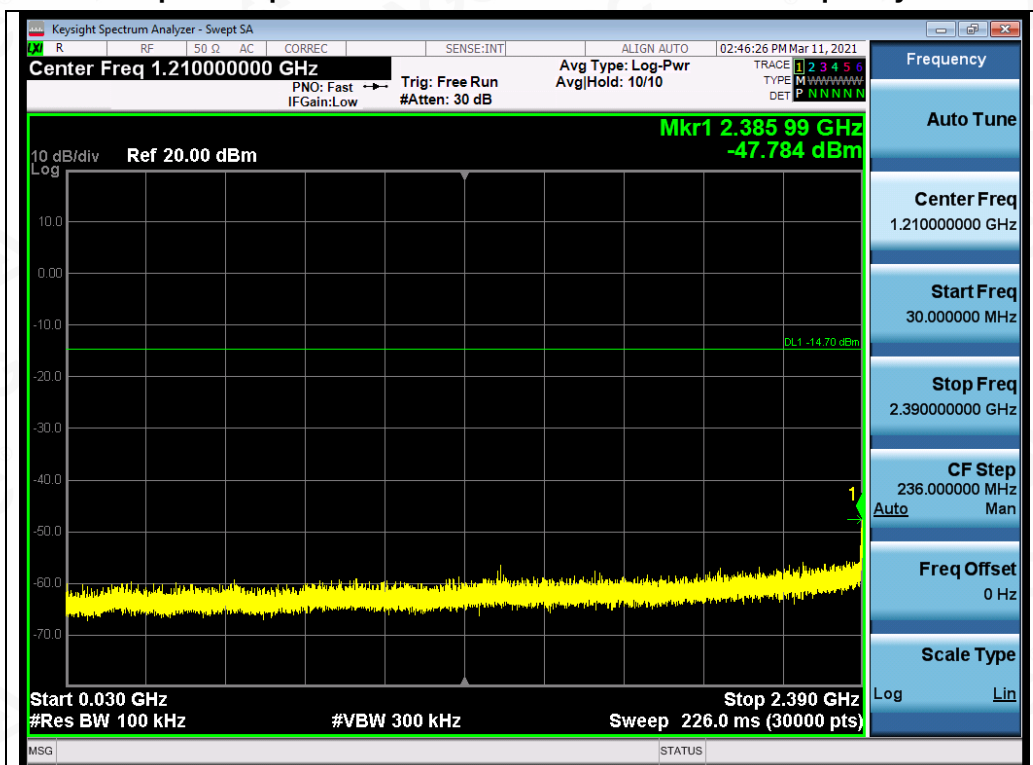


Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands



Test_Graph_802.11b_ANT1_2412_1Mbps_Lower Band Emissions

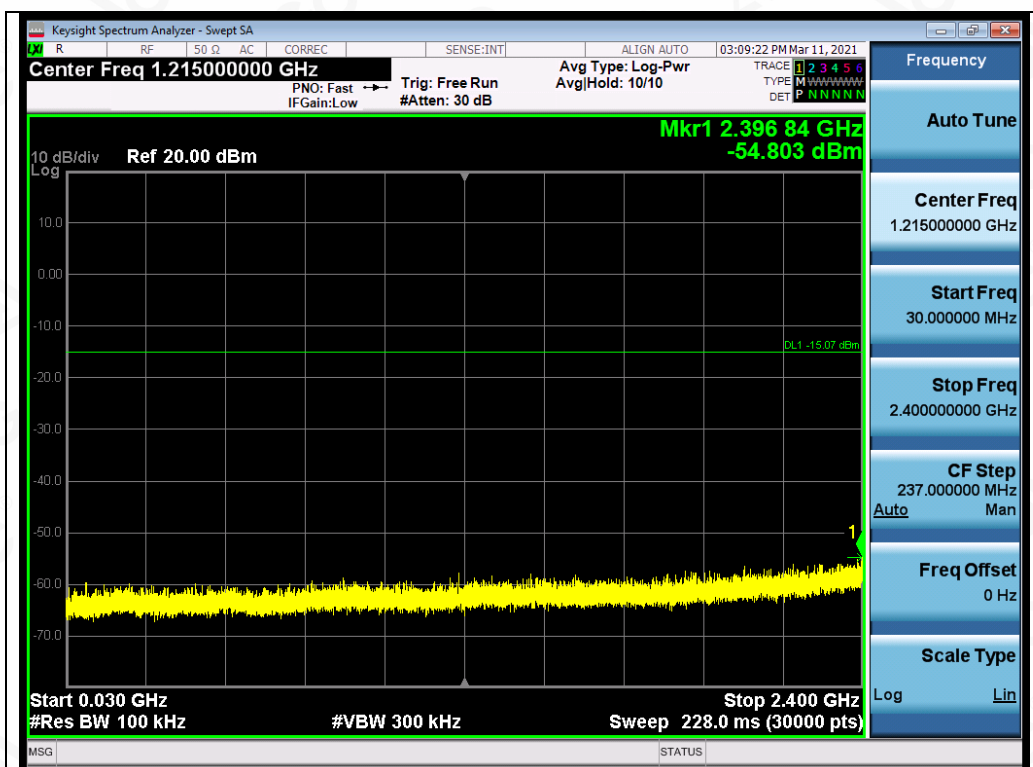


Test_Graph_802.11b_ANT1_2412_1Mbps_Higher Band Emissions

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Test_Graph_802.11b_ANT1_2437_1Mbps_Lower Band Emissions

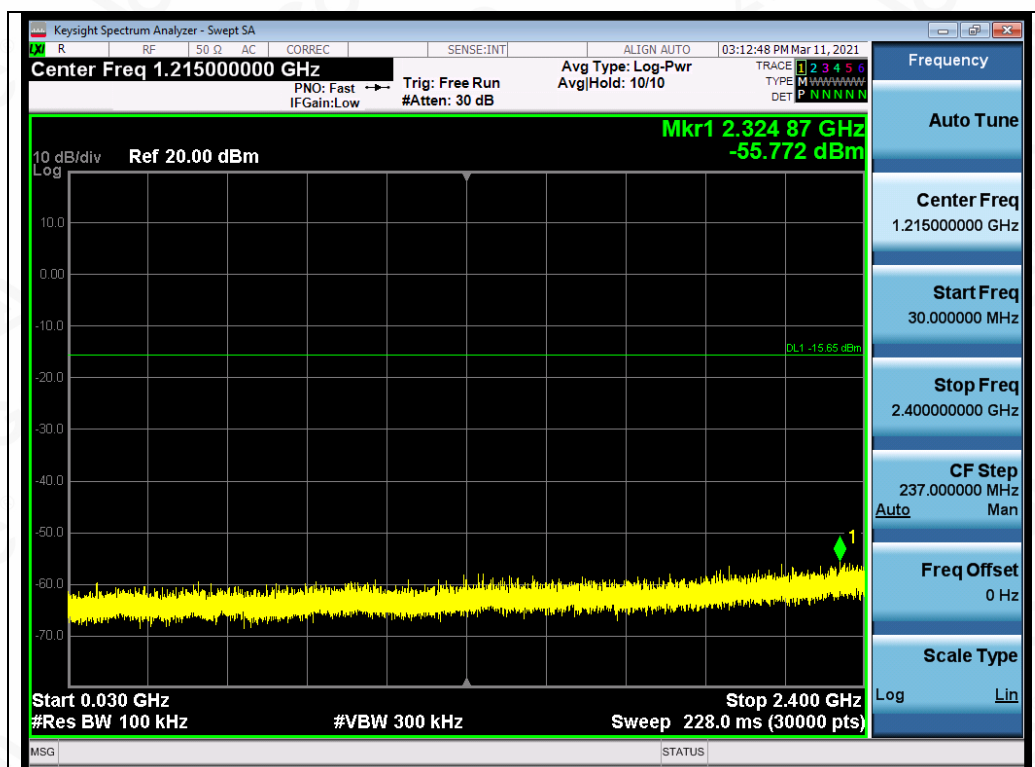


Test_Graph_802.11b_ANT1_2437_1Mbps_Higher Band Emissions

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Test_Graph_802.11b_ANT1_2462_1Mbps_Lower Band Emissions

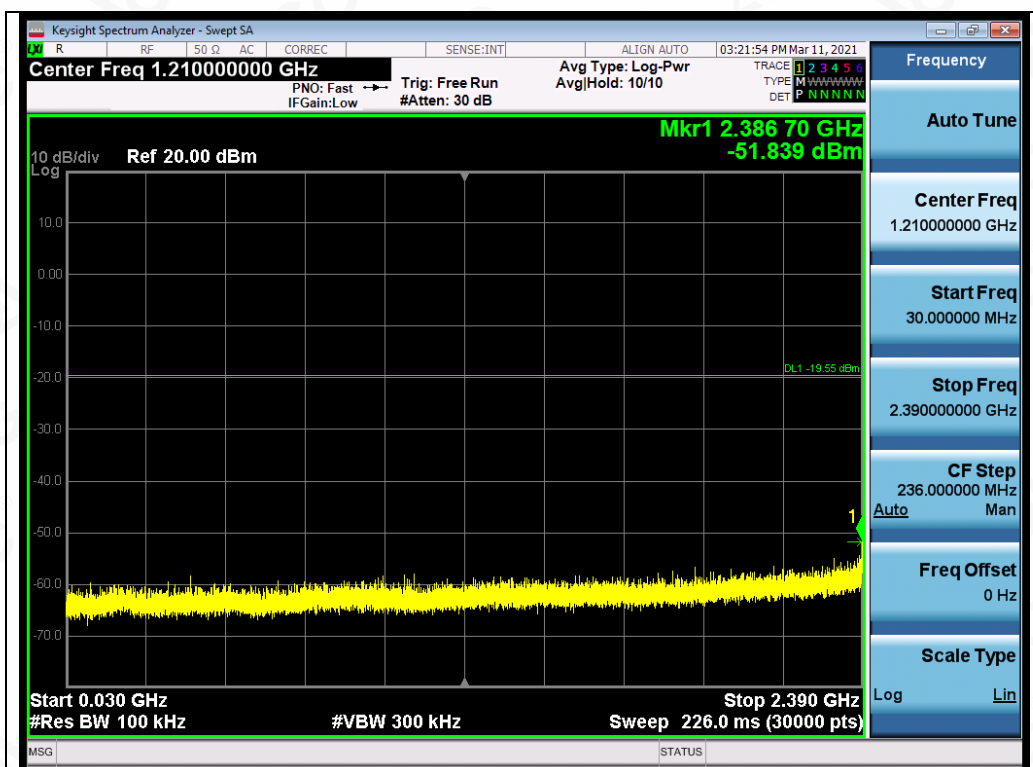


Test_Graph_802.11b_ANT1_2462_1Mbps_Higher Band Emissions

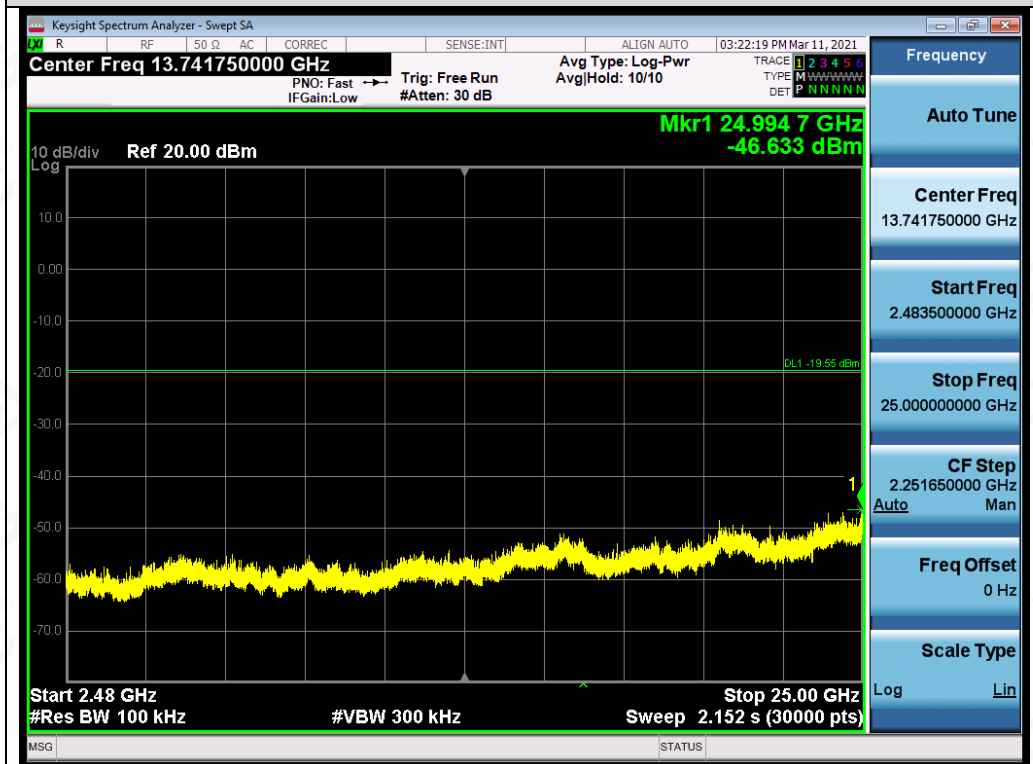
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Test_Graph_802.11g_ANT1_2412_6Mbps_Lower Band Emissions

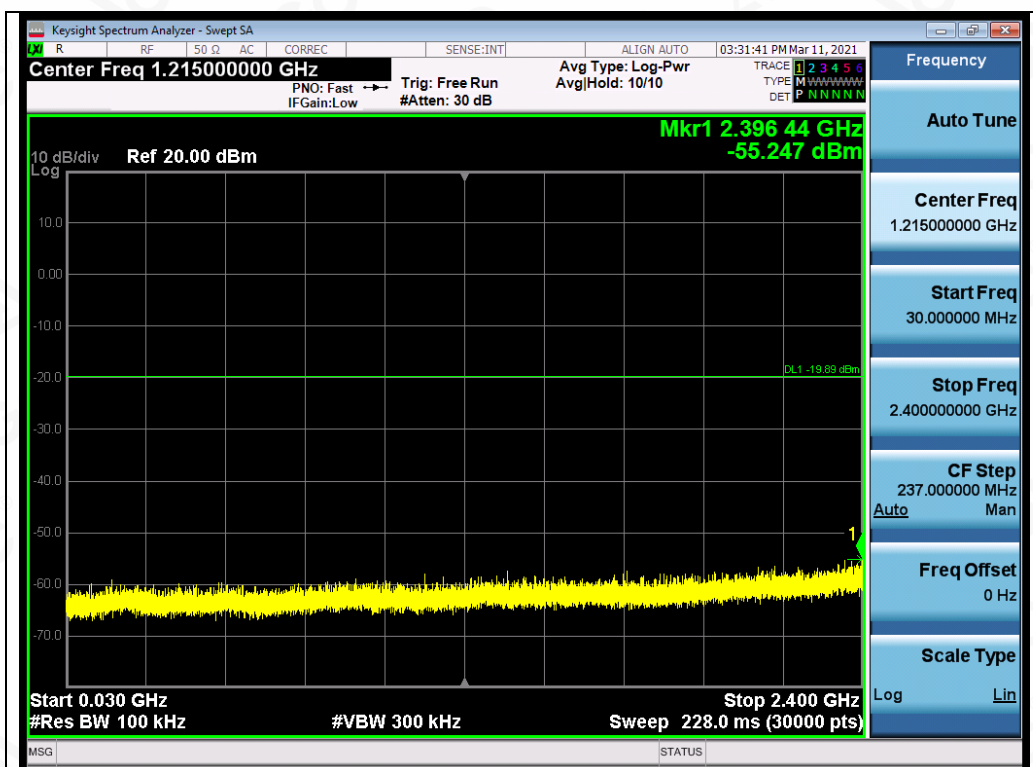


Test_Graph_802.11g_ANT1_2412_6Mbps_Higher Band Emissions

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Test_Graph_802.11g_ANT1_2437_6Mbps_Lower Band Emissions

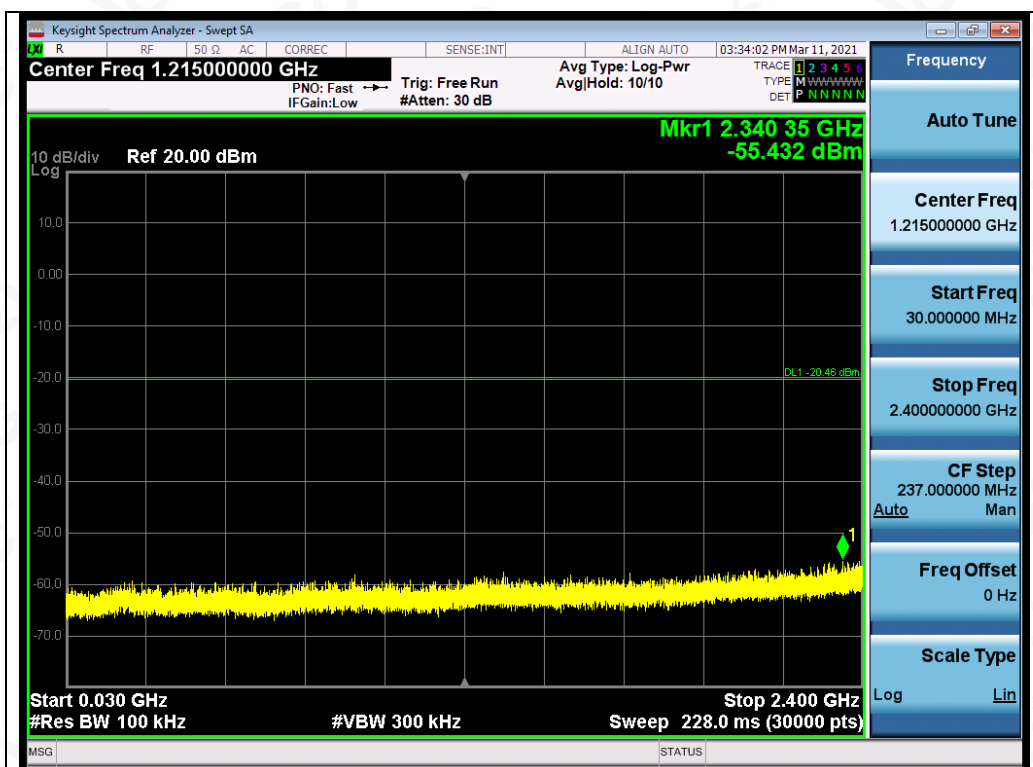


Test_Graph_802.11g_ANT1_2437_6Mbps_Higher Band Emissions

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Test_Graph_802.11g_ANT1_2462_6Mbps_Lower Band Emissions

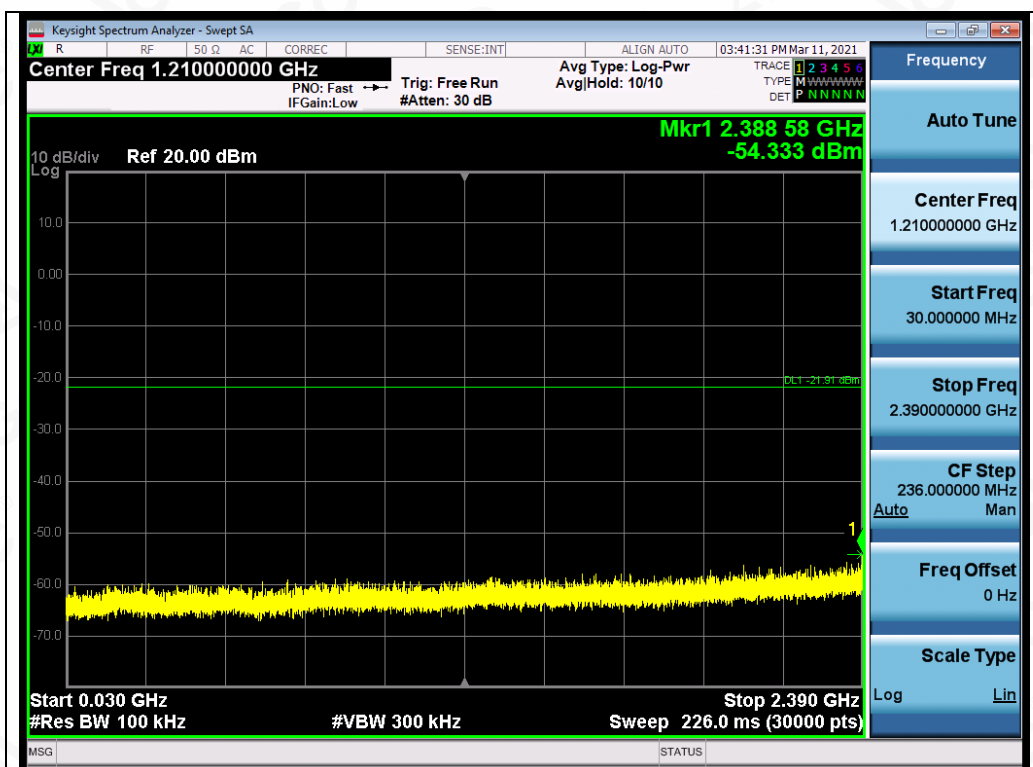


Test_Graph_802.11g_ANT1_2462_6Mbps_Higher Band Emissions

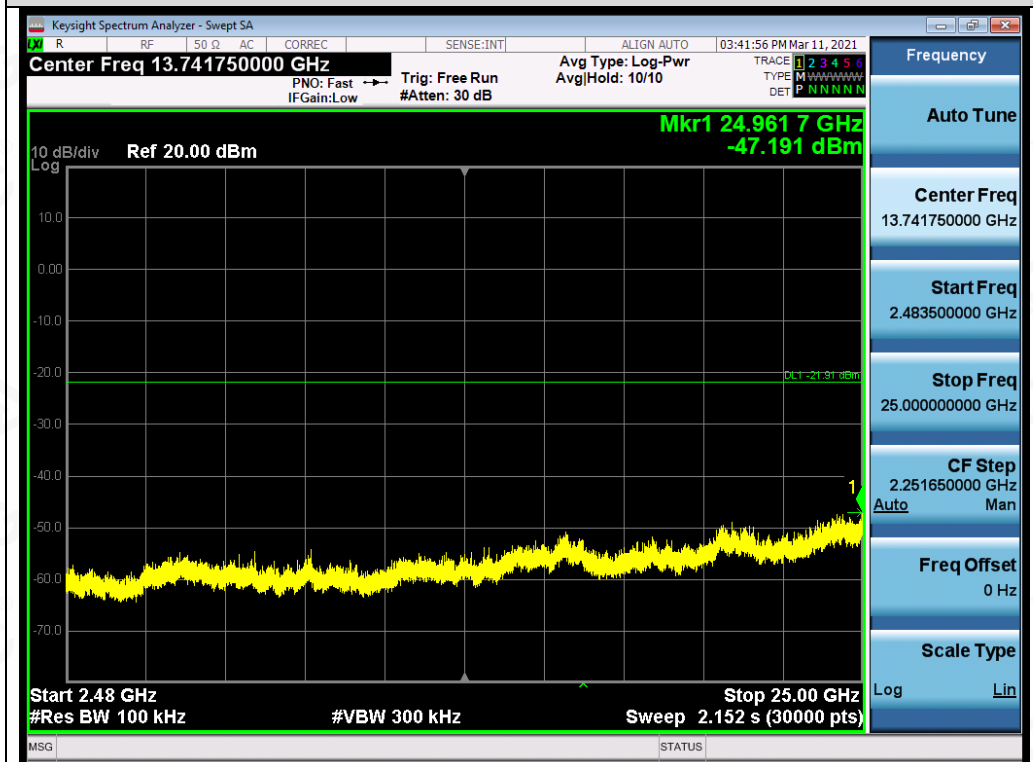
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Test_Graph_802.11n20_ANT1_2412_MCS0_Lower Band Emissions

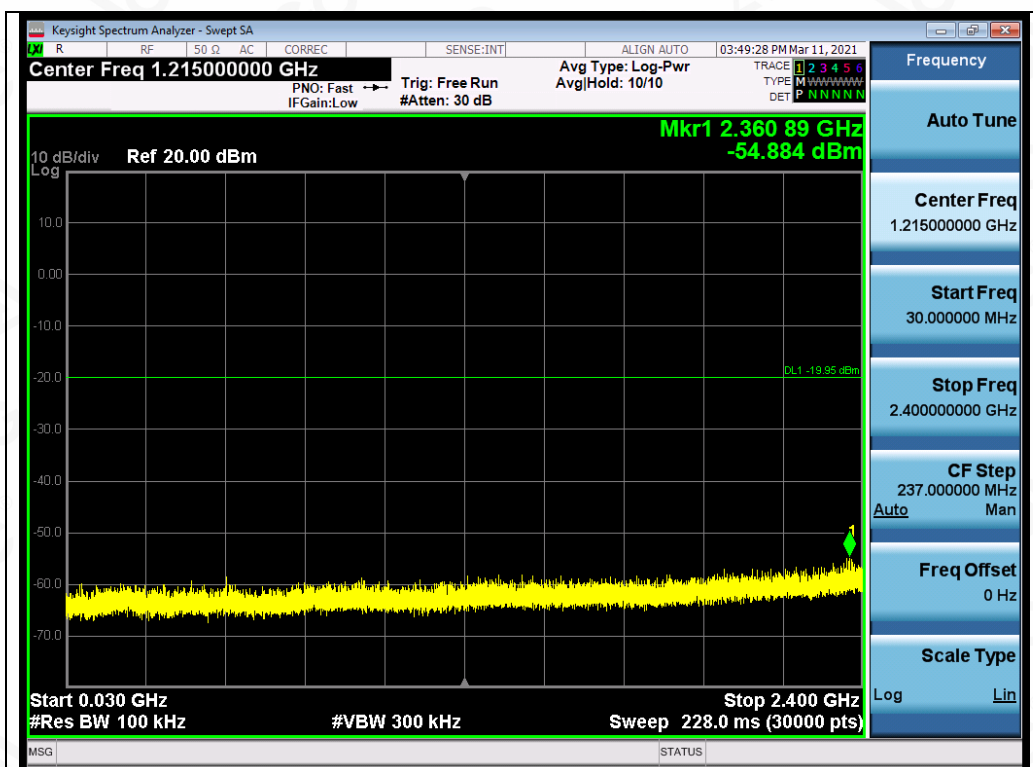


Test_Graph_802.11n20_ANT1_2412_MCS0_Higher Band Emissions

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Test_Graph_802.11n20_ANT1_2437_MCS0_Lower Band Emissions

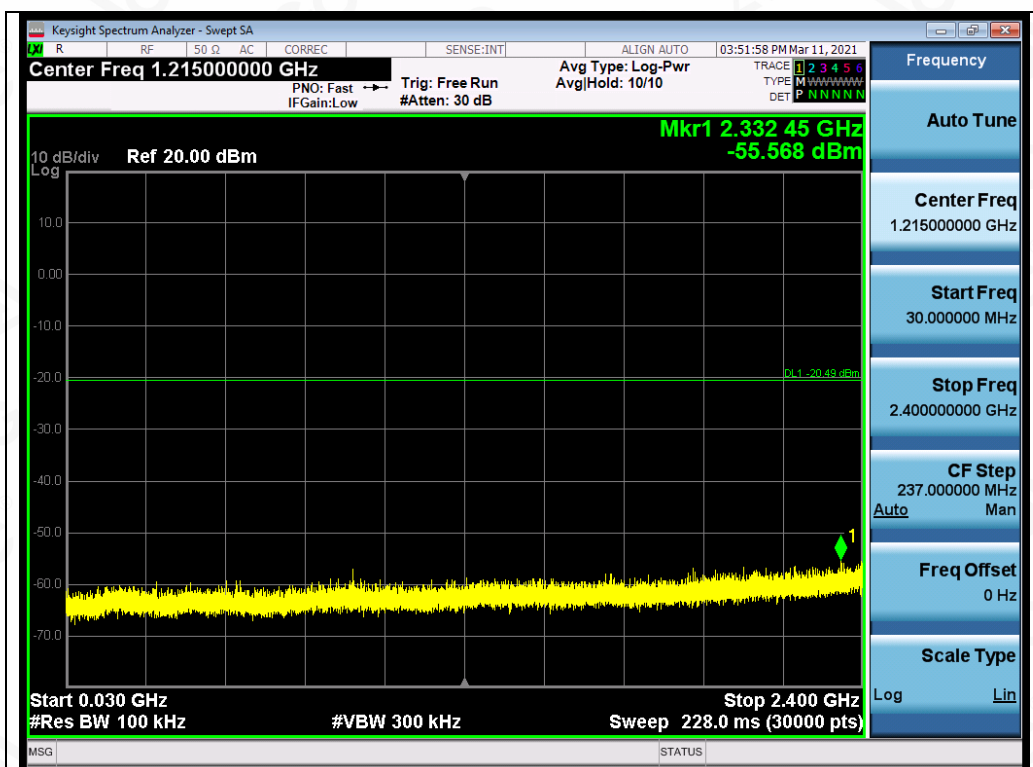


Test_Graph_802.11n20_ANT1_2437_MCS0_Higher Band Emissions

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Test_Graph_802.11n20_ANT1_2462_MCS0_Lower Band Emissions

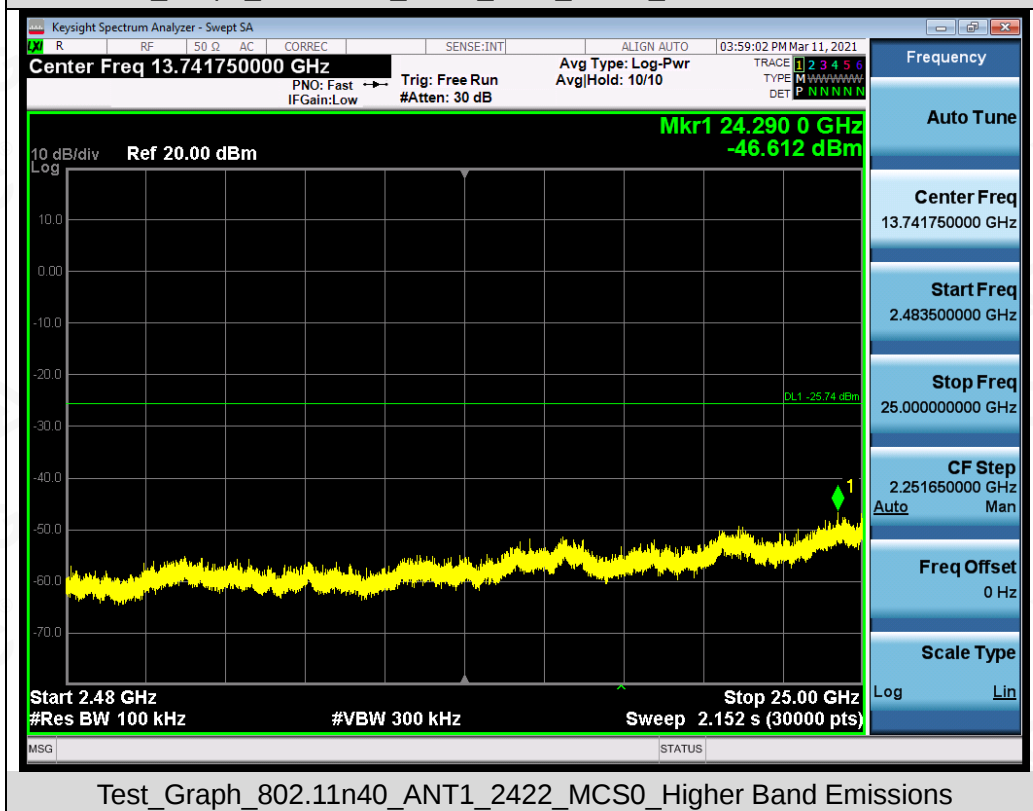
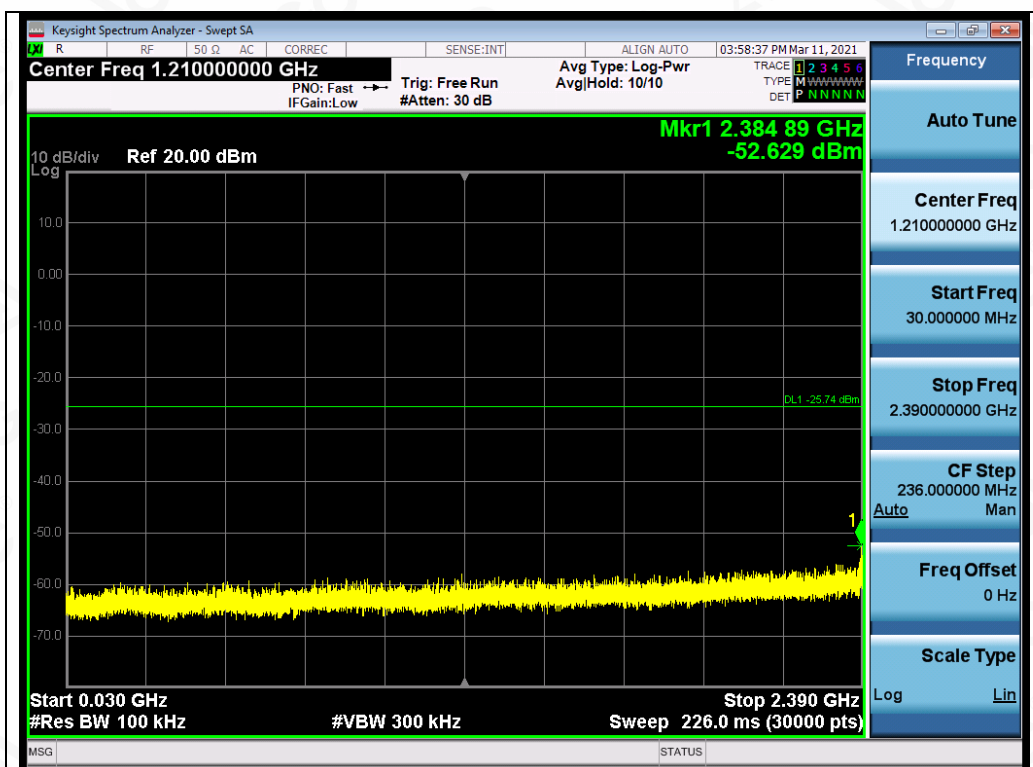


Test_Graph_802.11n20_ANT1_2462_MCS0_Higher Band Emissions

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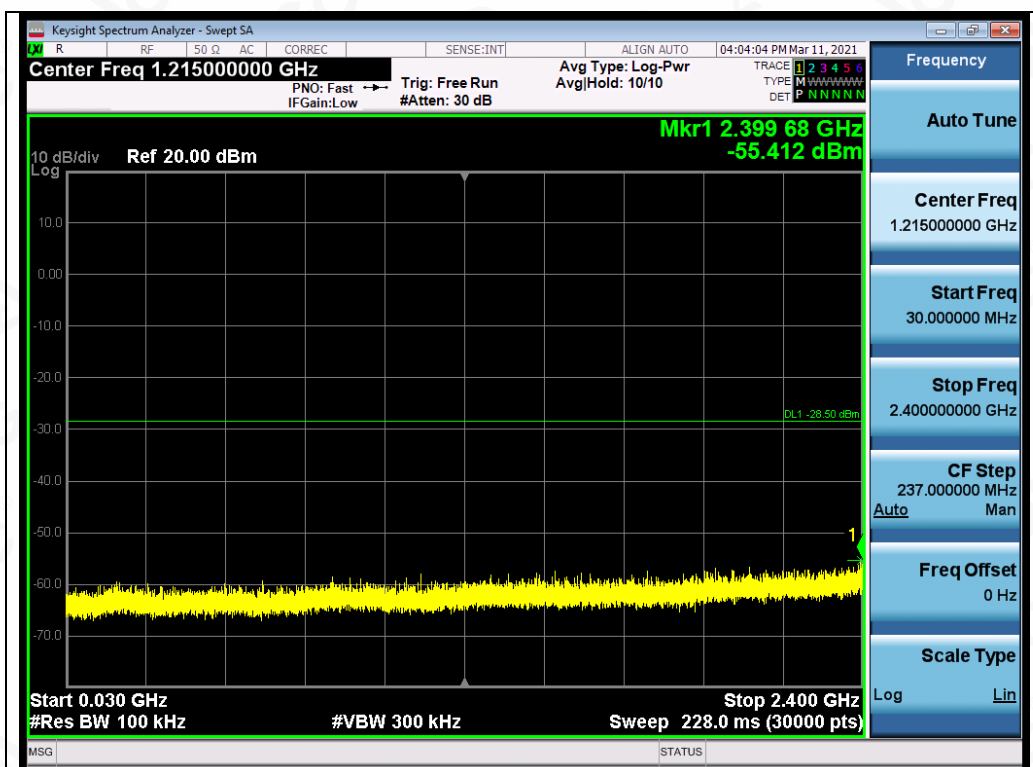




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Test_Graph_802.11n40_ANT1_2437_MCS0_Lower Band Emissions

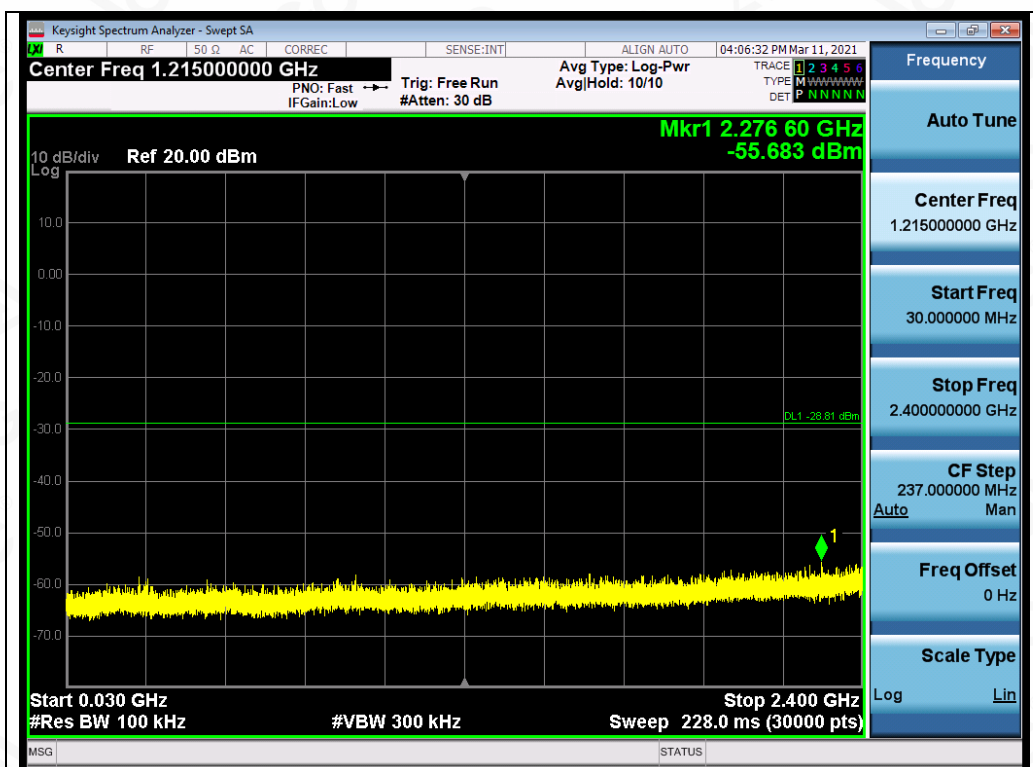


Test_Graph_802.11n40_ANT1_2437_MCS0_Higher Band Emissions

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Test_Graph_802.11n40_ANT1_2452_MCS0_Lower Band Emissions



Test_Graph_802.11n40_ANT1_2452_MCS0_Higher Band Emissions

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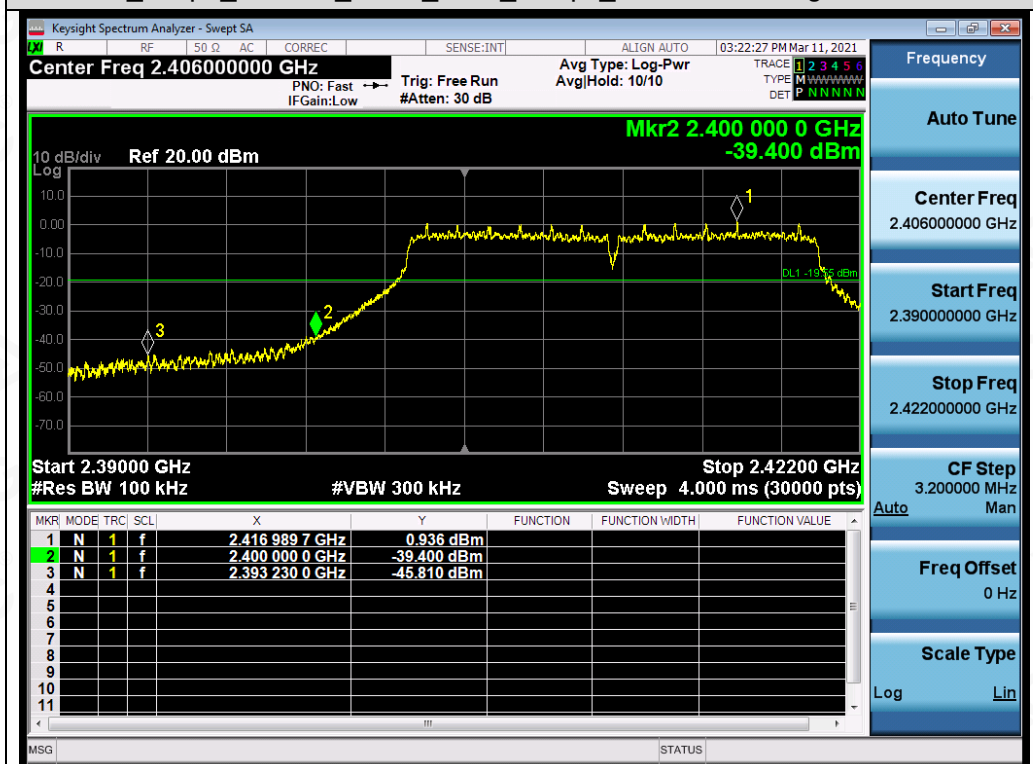
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Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands



Test_Graph_802.11b_ANT1_2412_1Mbps_Lower Band Edge Emissions

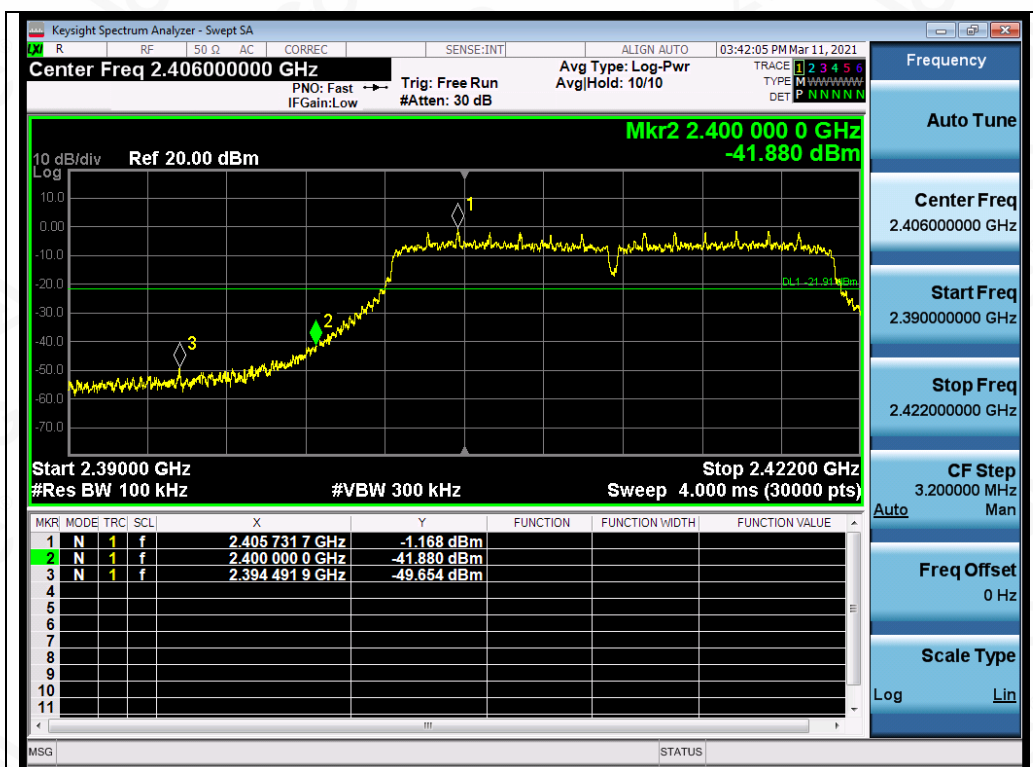


Test_Graph_802.11g_ANT1_2412_6Mbps_Lower Band Edge Emissions

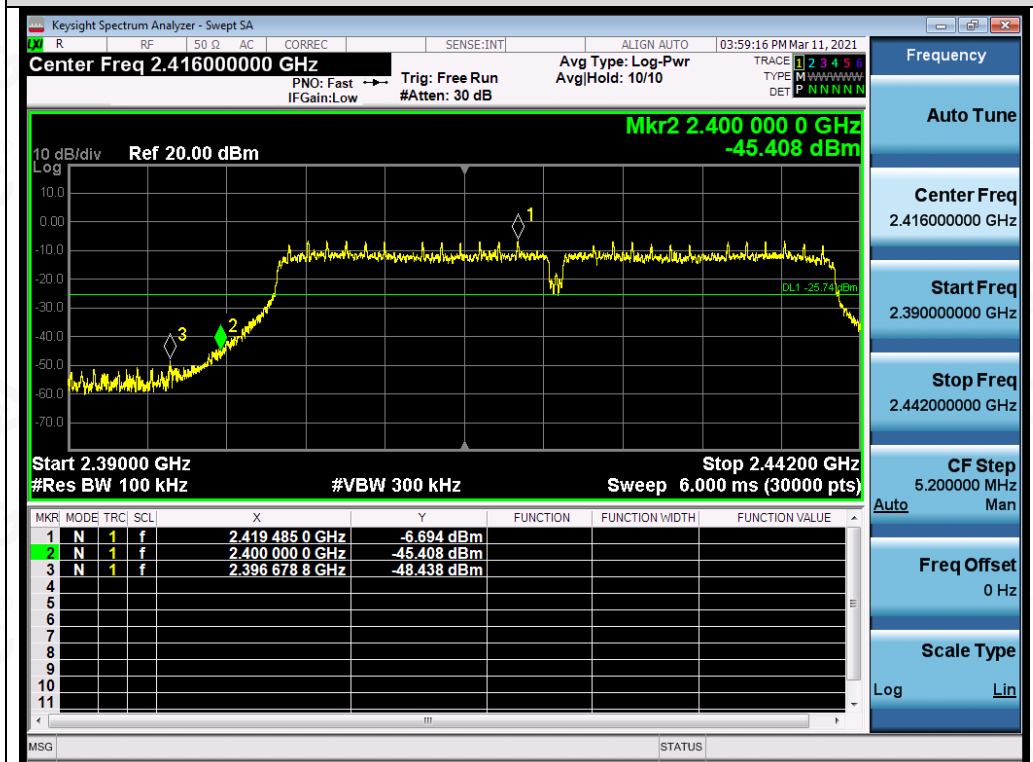
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Test_Graph_802.11n20_ANT1_2412_MCS0_Lower Band Edge Emissions



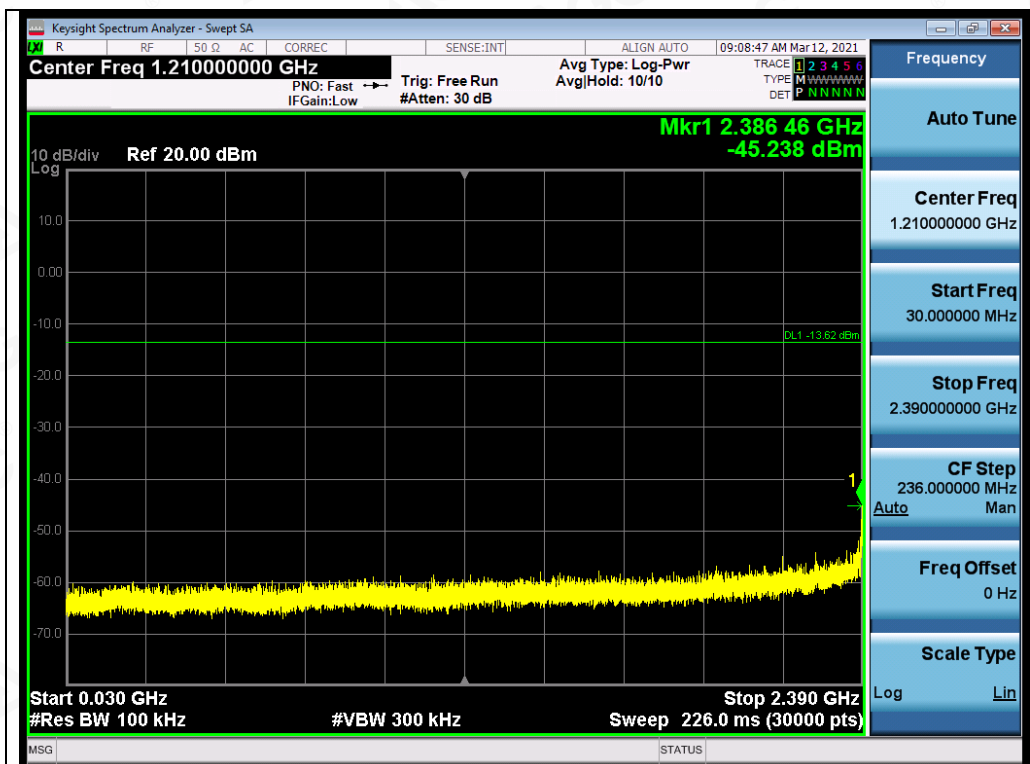
Test_Graph_802.11n40_ANT1_2422_MCS0_Lower Band Edge Emissions

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Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands



Test_Graph_802.11b_ANT2_2412_1Mbps_Lower Band Emissions

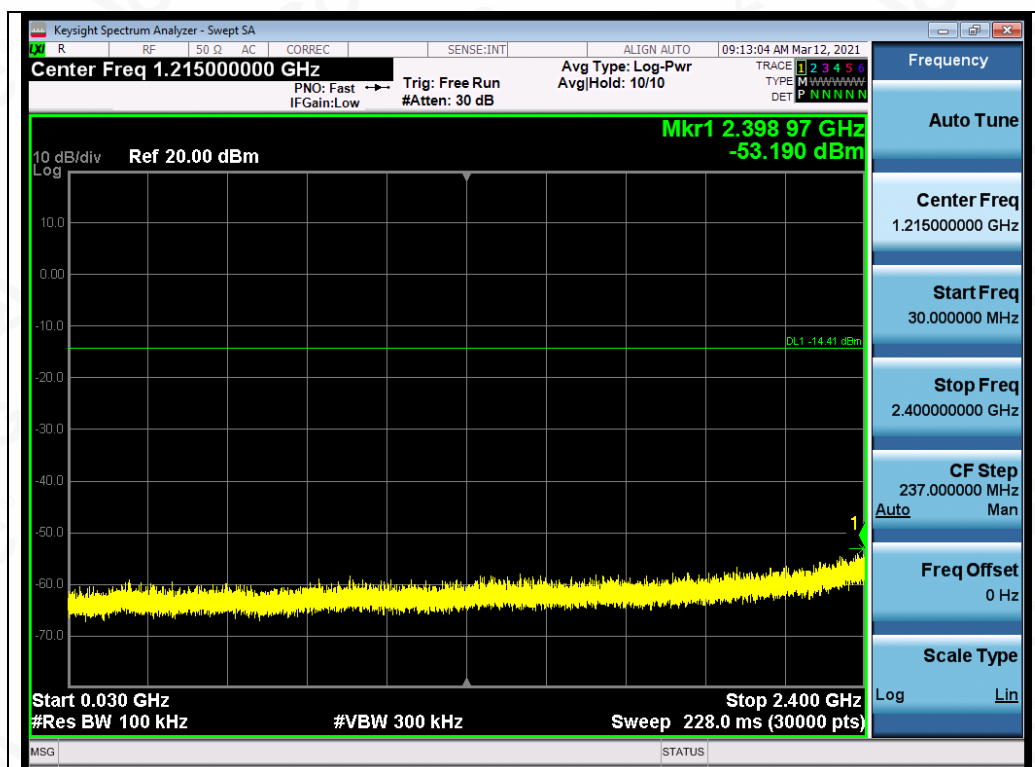


Test_Graph_802.11b_ANT2_2412_1Mbps_Higher Band Emissions

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Test_Graph_802.11b_ANT2_2437_1Mbps_Lower Band Emissions

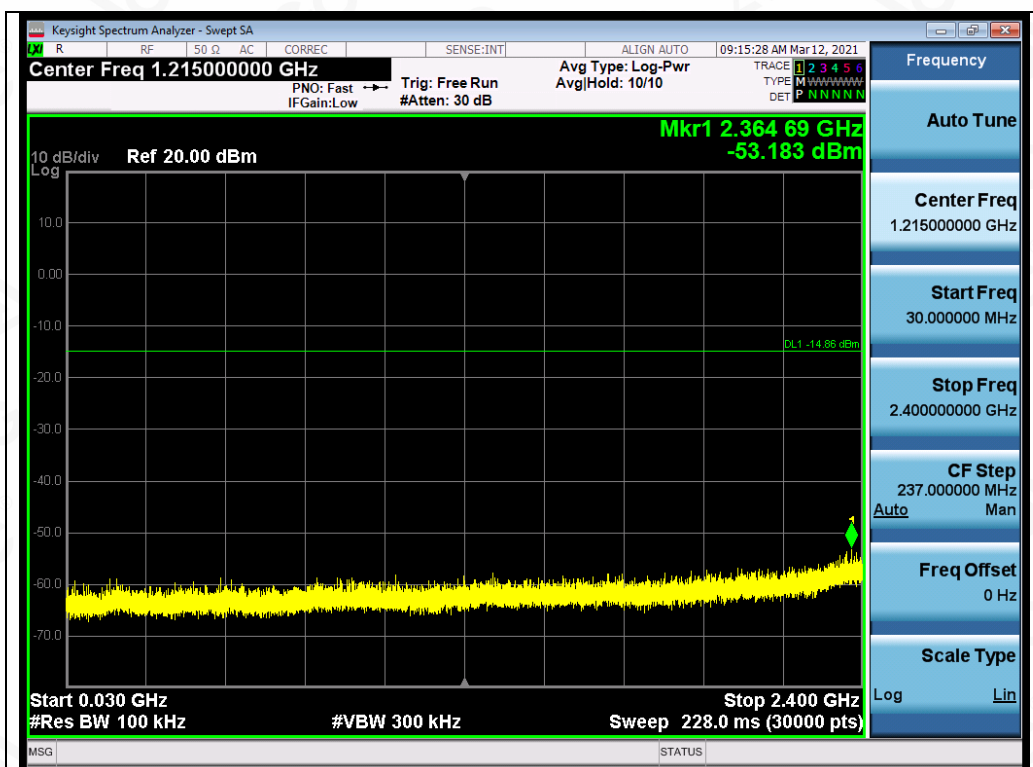


Test_Graph_802.11b_ANT2_2437_1Mbps_Higher Band Emissions

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Test_Graph_802.11b_ANT2_2462_1Mbps_Lower Band Emissions

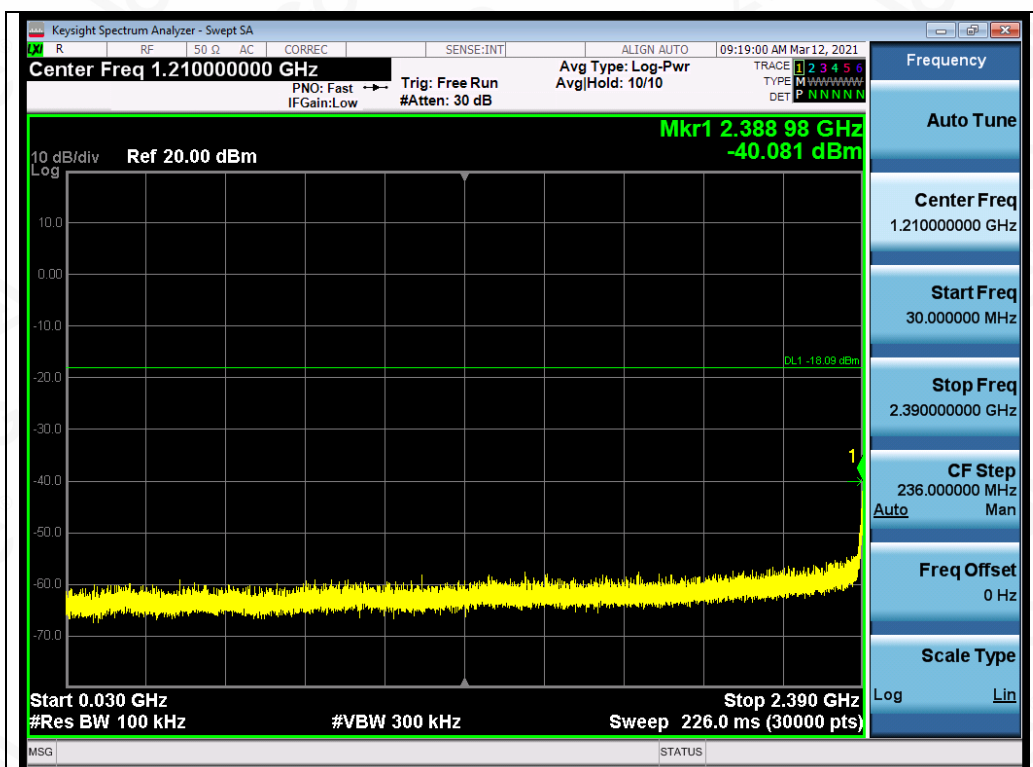


Test_Graph_802.11b_ANT2_2462_1Mbps_Higher Band Emissions

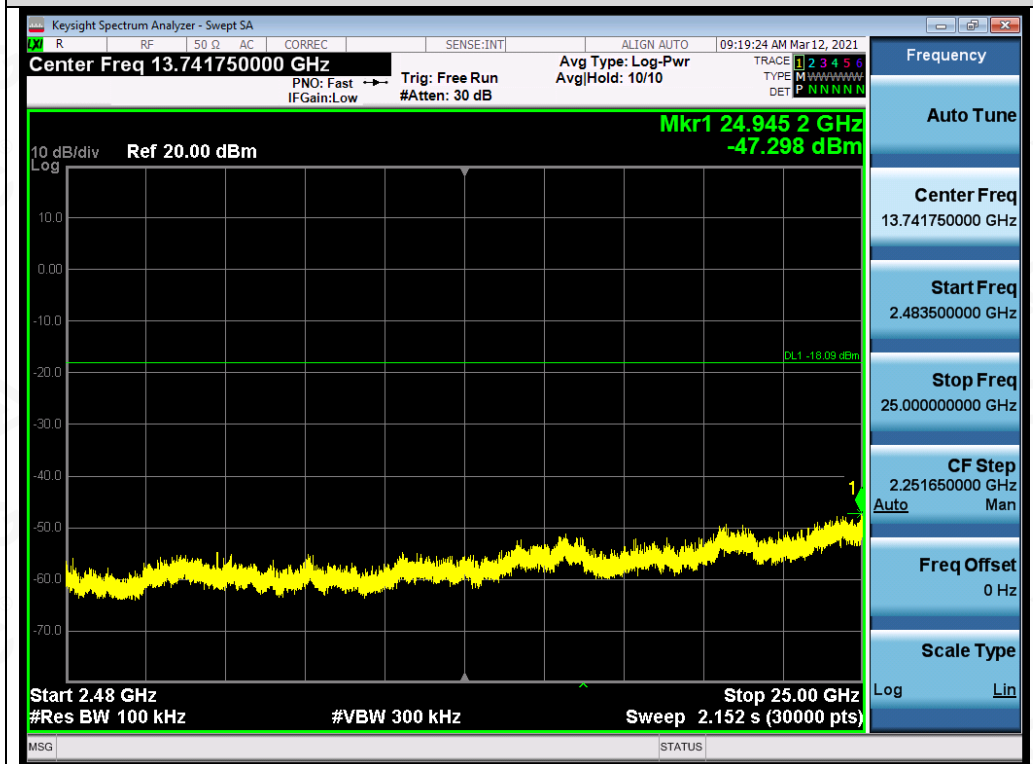
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Test_Graph_802.11g_ANT2_2412_6Mbps_Lower Band Emissions

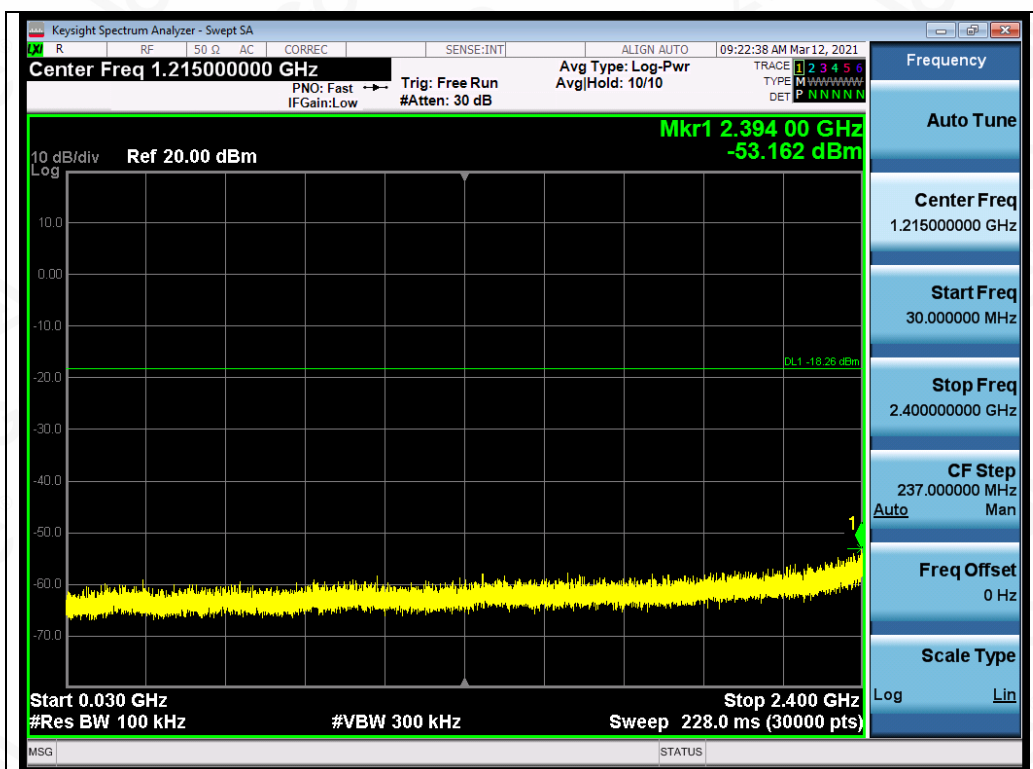


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Test_Graph_802.11g_ANT2_2437_6Mbps_Lower Band Emissions

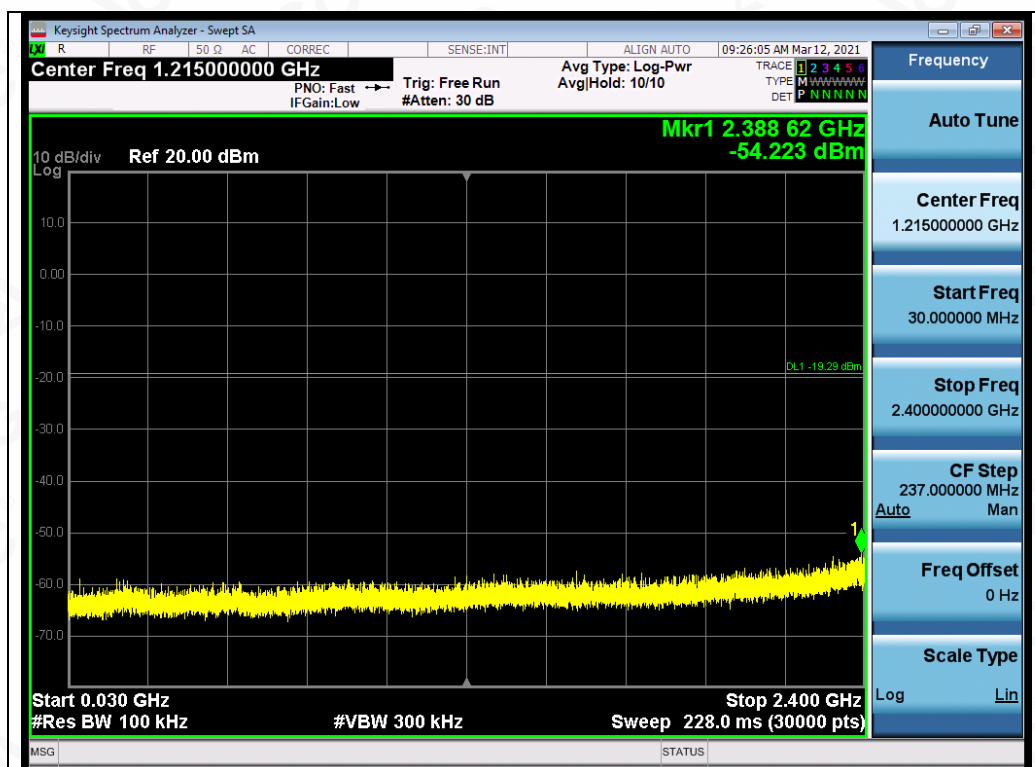


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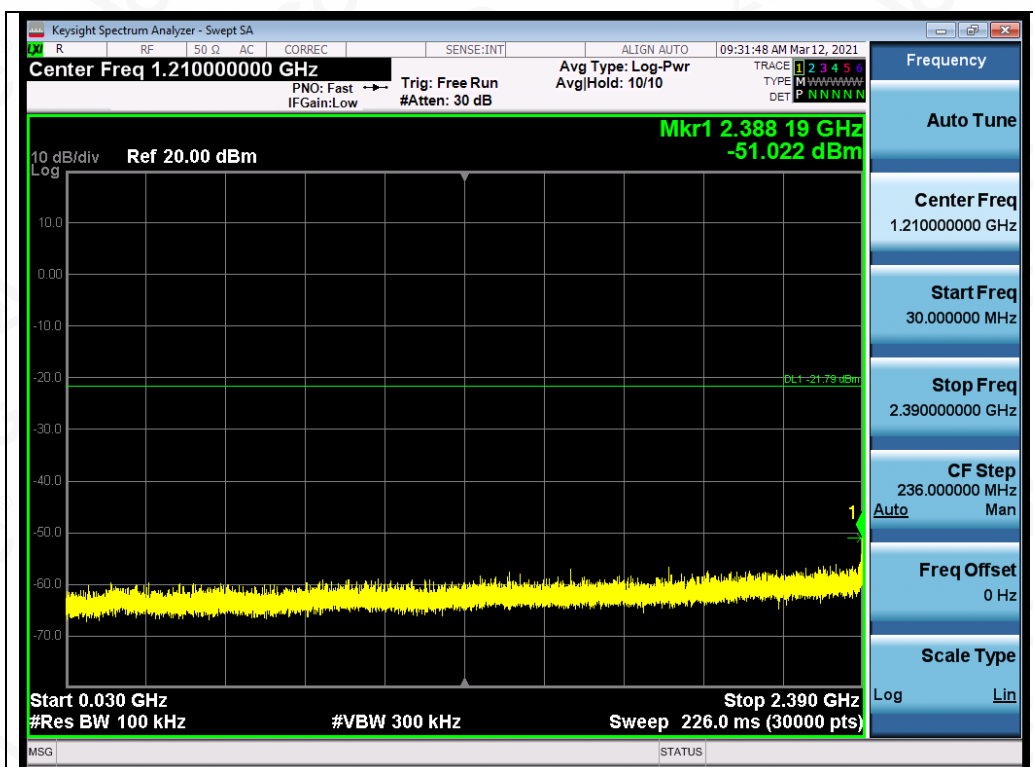


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Test_Graph_802.11n20_ANT2_2412_MCS0_Lower Band Emissions

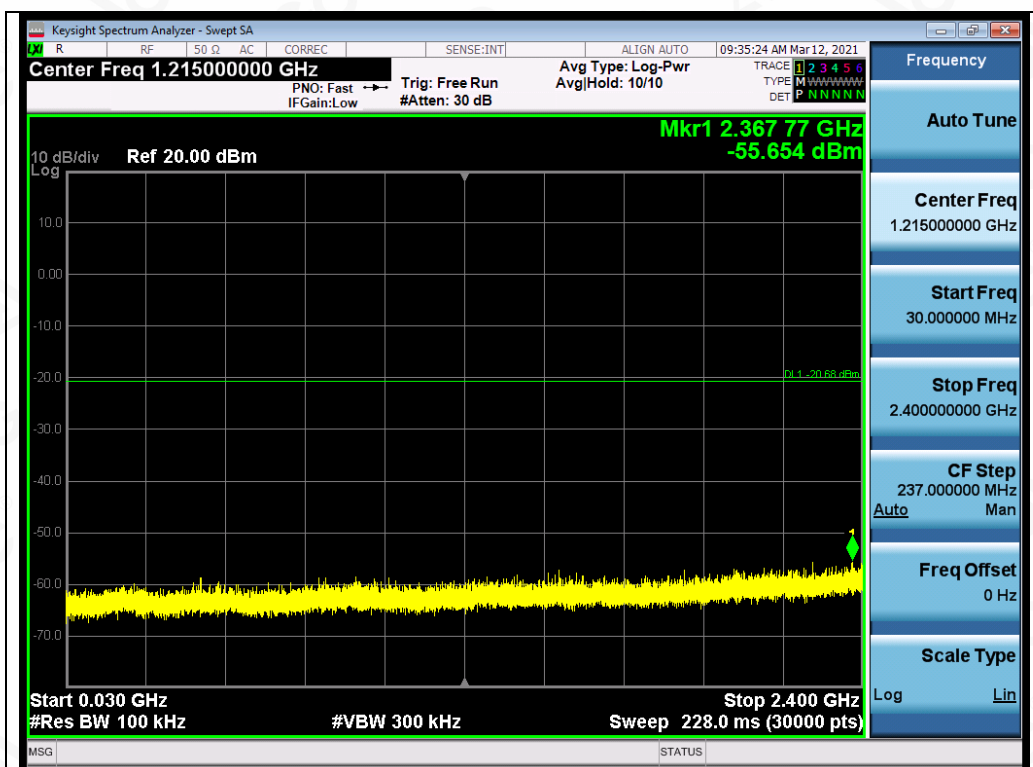


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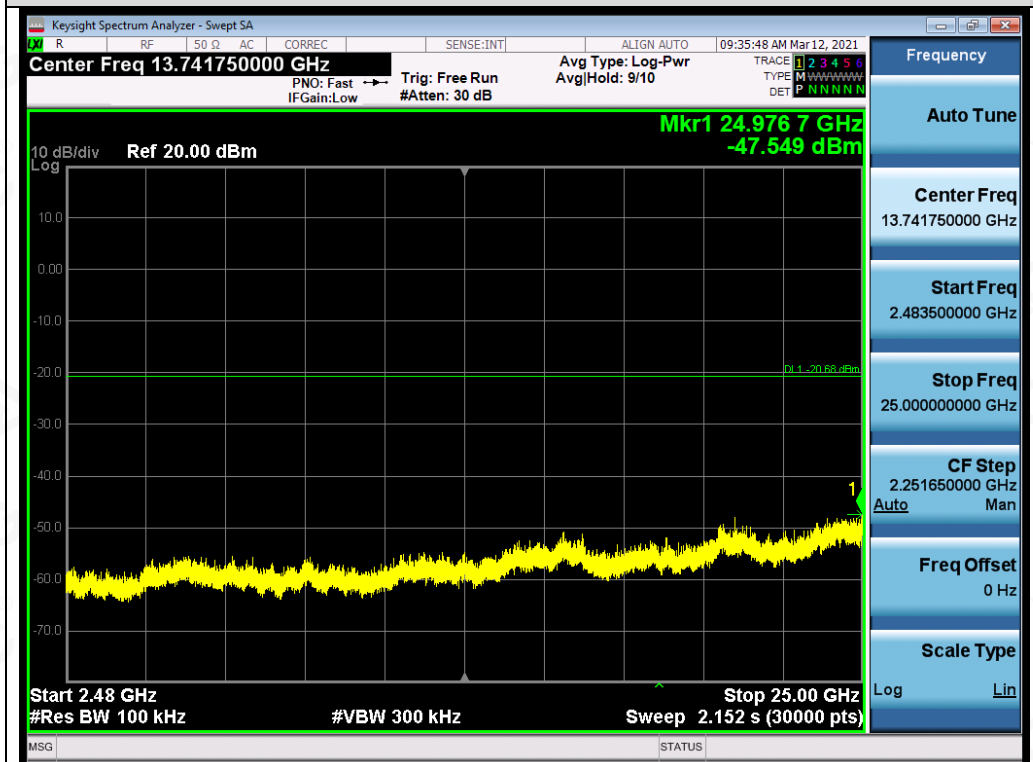
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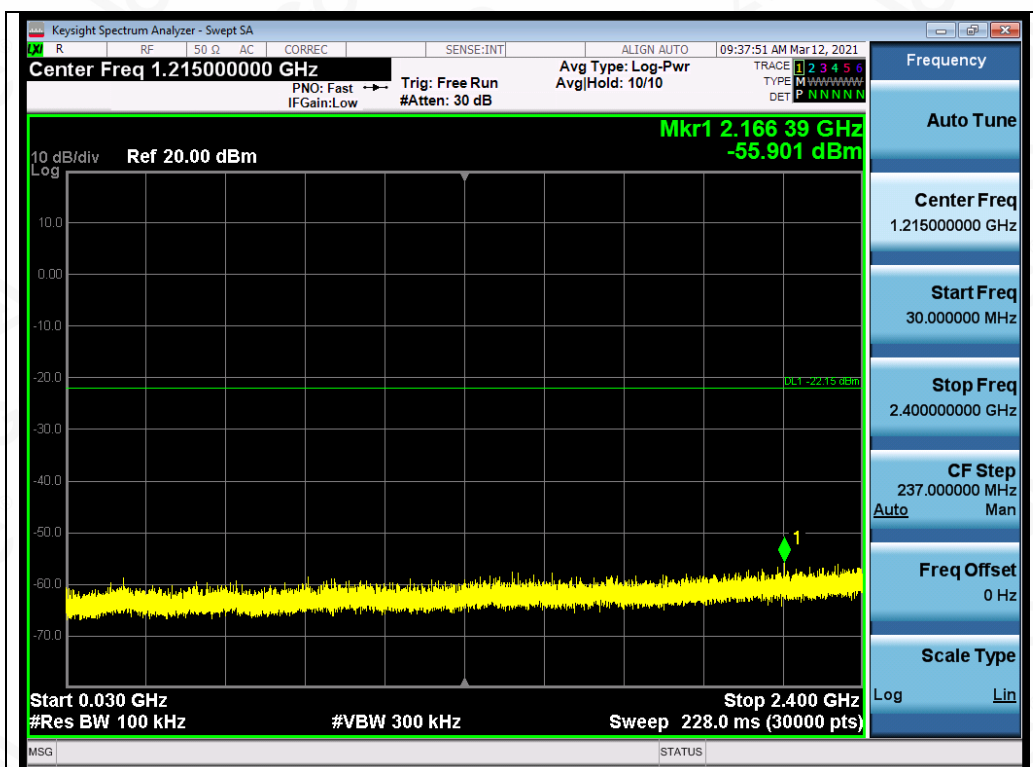


Test_Graph_802.11n20_ANT2_2437_MCS0_Higher Band Emissions

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Test_Graph_802.11n20_ANT2_2462_MCS0_Lower Band Emissions

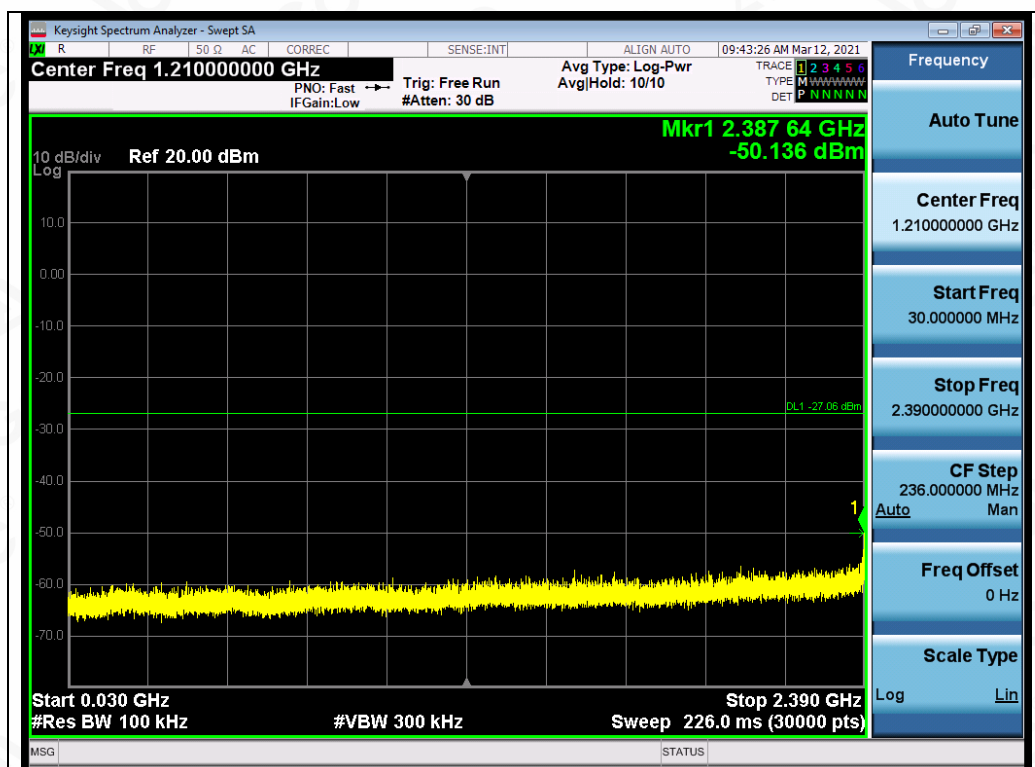


Test_Graph_802.11n20_ANT2_2462_MCS0_Higher Band Emissions

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Test_Graph_802.11n40_ANT2_2422_MCS0_Lower Band Emissions

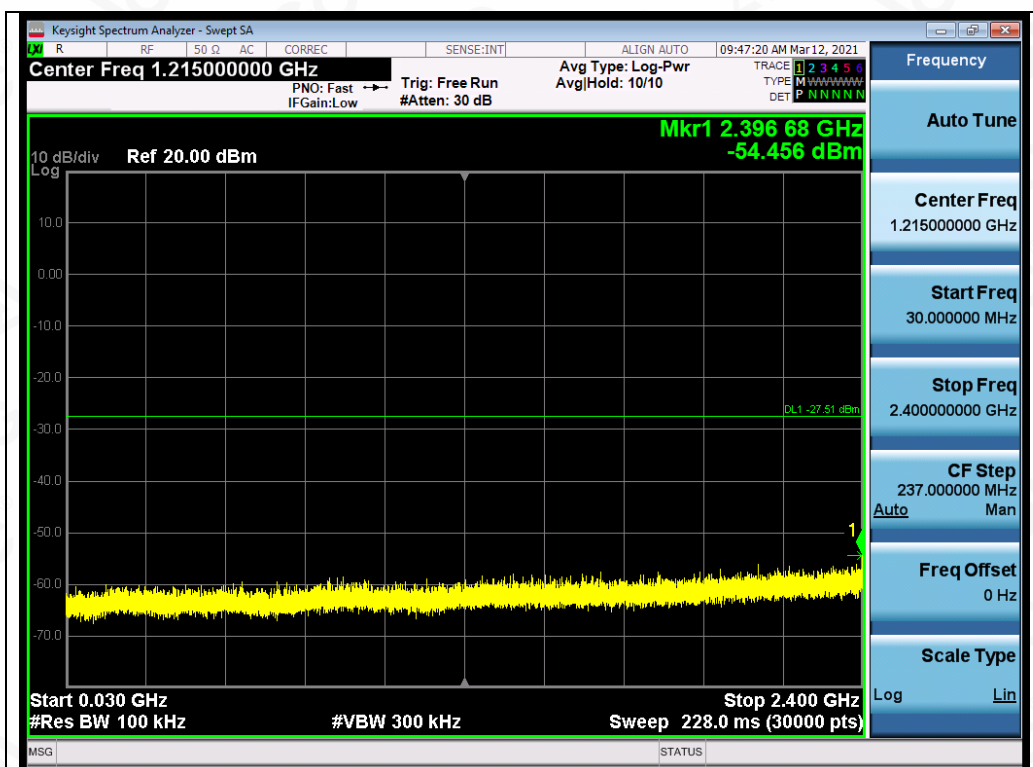


Test_Graph_802.11n40_ANT2_2422_MCS0_Higher Band Emissions

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Test_Graph_802.11n40_ANT2_2437_MCS0_Lower Band Emissions

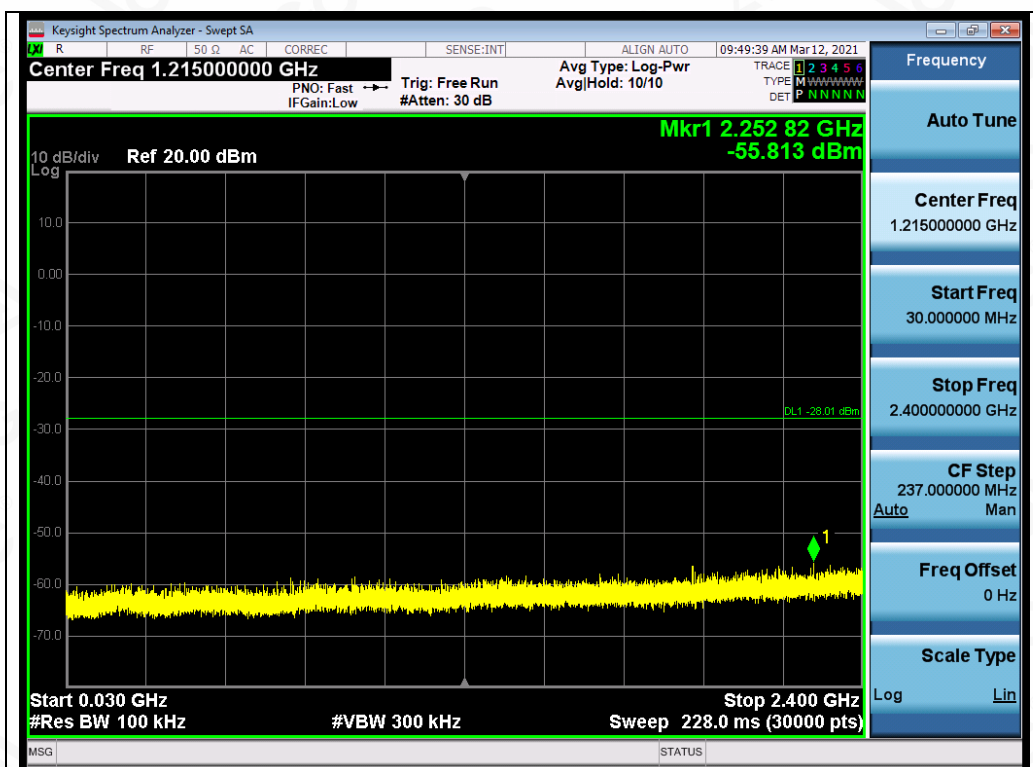


Test_Graph_802.11n40_ANT2_2437_MCS0_Higher Band Emissions

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Test_Graph_802.11n40_ANT2_2452_MCS0_Lower Band Emissions



Test_Graph_802.11n40_ANT2_2452_MCS0_Higher Band Emissions

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Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands



Test_Graph_802.11b_ANT2_2412_1Mbps_Lower Band Edge Emissions

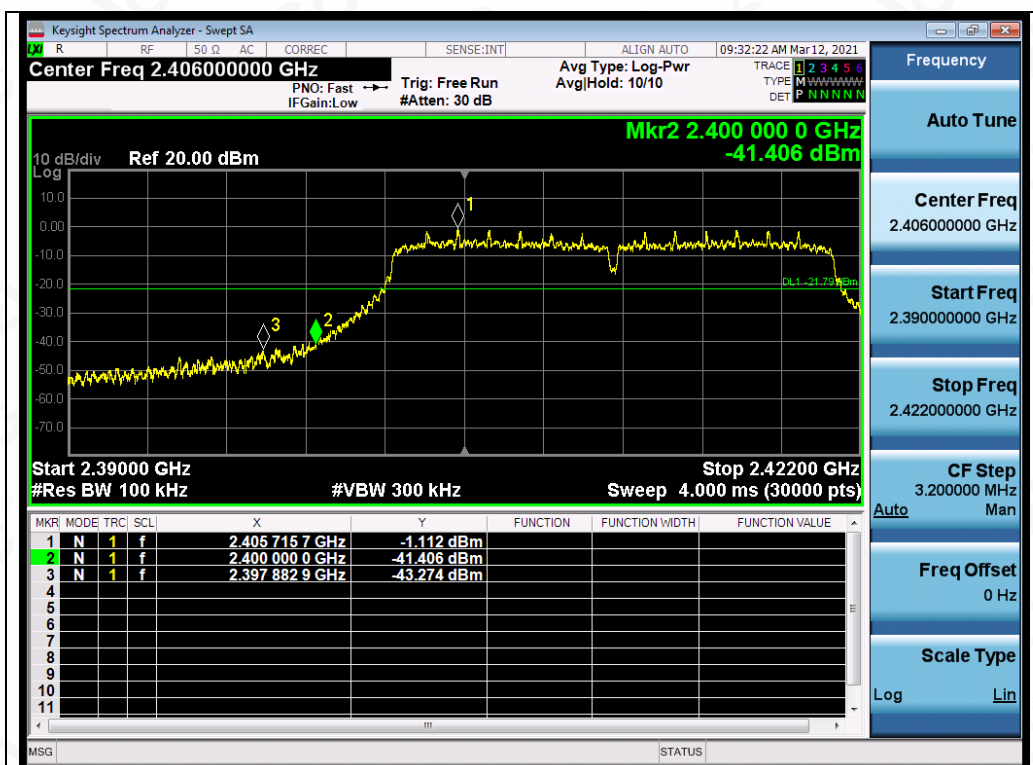


Test_Graph_802.11g_ANT2_2412_6Mbps_Lower Band Edge Emissions

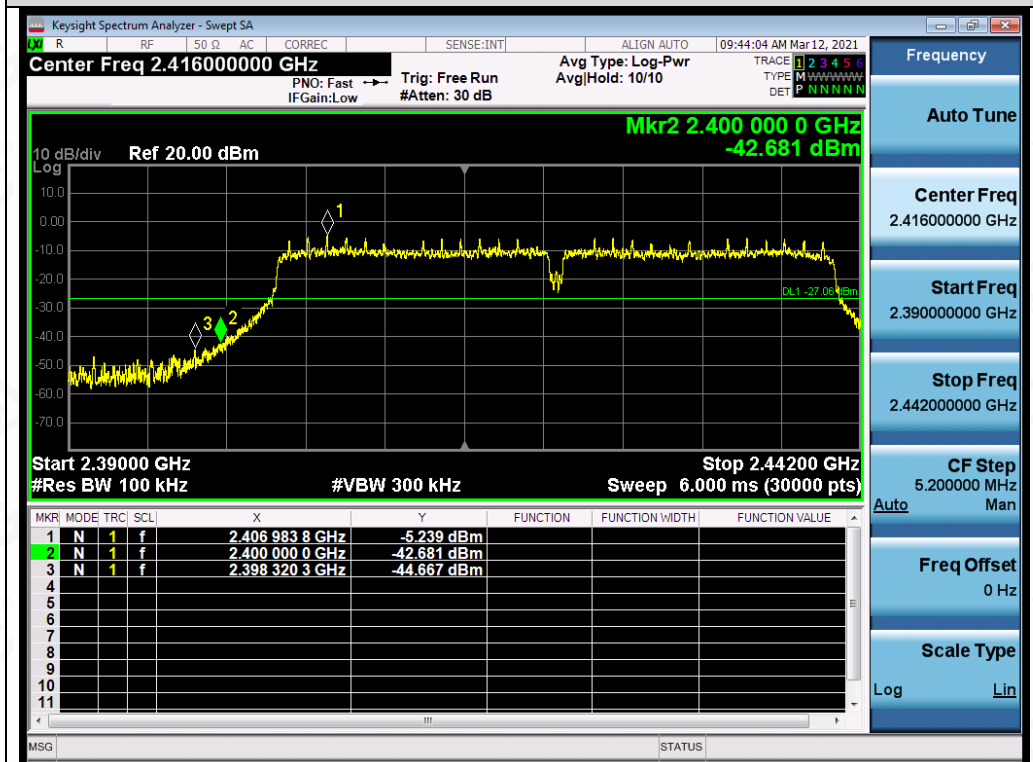
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Test_Graph_802.11n20_ANT2_2412_MCS0_Lower Band Edge Emissions



Test_Graph_802.11n40_ANT2_2422_MCS0_Lower Band Edge Emissions

Note: Emissions from 2483.5-2500MHz which fall in the restricted bands had been considered with the radiated emission limits specified.

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10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

10.1 MEASUREMENT PROCEDURE

- (1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (3). Set SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the ANSI C63.10 (2013) item 11.10 was used in this testing.

10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 8.2.

10.3 MEASUREMENT EQUIPMENT USED

Refer to Section 6.

10.4 LIMITS AND MEASUREMENT RESULT

Test Data of Conducted Output Power Spectral Density Antenna-1					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11b	2412	2.128	-6.111	≤ 8	Pass
	2437	0.479	-7.76	≤ 8	Pass
	2462	0.195	-8.044	≤ 8	Pass
802.11g	2412	-4.656	-12.895	≤ 8	Pass
	2437	-5.108	-13.347	≤ 8	Pass
	2462	-5.692	-13.931	≤ 8	Pass
802.11n20	2412	-7.533	-15.772	≤ 8	Pass
	2437	-7.389	-15.628	≤ 8	Pass
	2462	-6.362	-14.601	≤ 8	Pass
802.11n40	2422	-12.573	-20.812	≤ 8	Pass
	2437	-12.856	-21.095	≤ 8	Pass
	2452	-12.842	-21.081	≤ 8	Pass

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Test Data of Conducted Output Power Spectral Density Antenna-2					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11b	2412	0.511	-7.728	≤8	Pass
	2437	-0.232	-8.471	≤8	Pass
	2462	-0.460	-8.699	≤8	Pass
802.11g	2412	-3.774	-12.013	≤8	Pass
	2437	-4.288	-12.527	≤8	Pass
	2462	-5.382	-13.621	≤8	Pass
802.11n20	2412	-7.568	-15.807	≤8	Pass
	2437	-6.394	-14.633	≤8	Pass
	2462	-8.174	-16.413	≤8	Pass
802.11n40	2422	-11.442	-19.681	≤8	Pass
	2437	-11.863	-20.102	≤8	Pass
	2452	-12.125	-20.364	≤8	Pass

Test Data of Conducted Output Power Spectral Density-Total ant1+2					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11n20	2412	-4.54	-12.78	≤8	Pass
	2437	-3.85	-12.09	≤8	Pass
	2462	-4.16	-12.40	≤8	Pass
802.11n40	2422	-8.96	-17.20	≤8	Pass
	2437	-9.32	-17.56	≤8	Pass
	2452	-9.46	-17.70	≤8	Pass

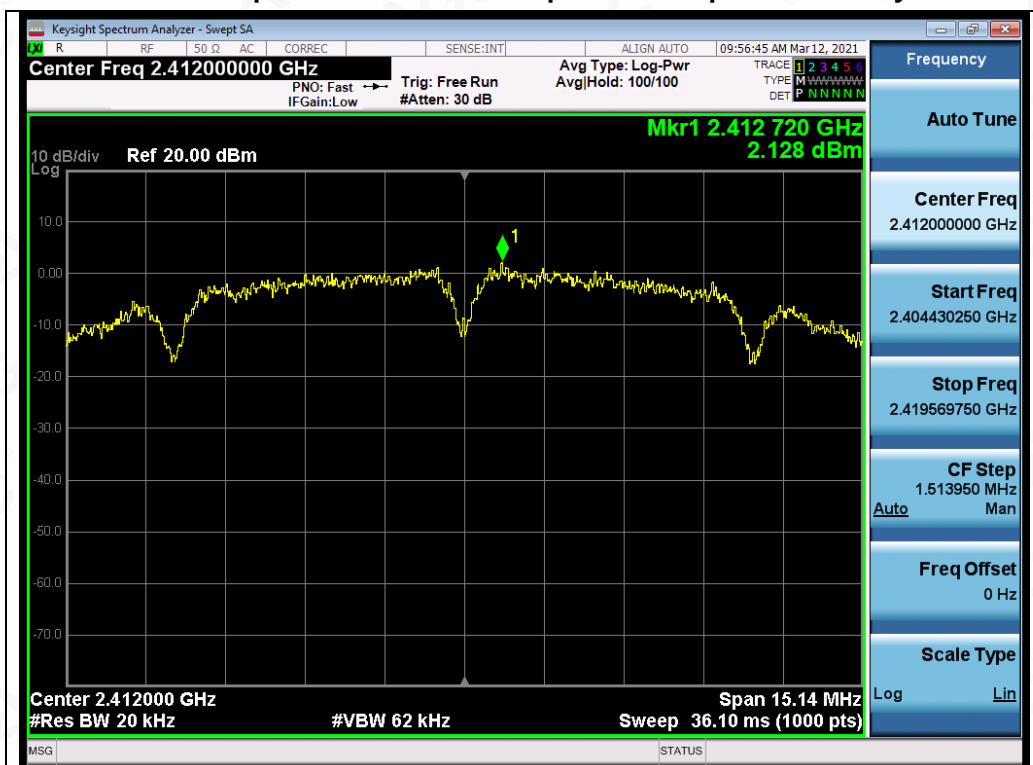
Note: Power density(dBm/3kHz) = Power density(dBm/20kHz) – 10*log(20/3).

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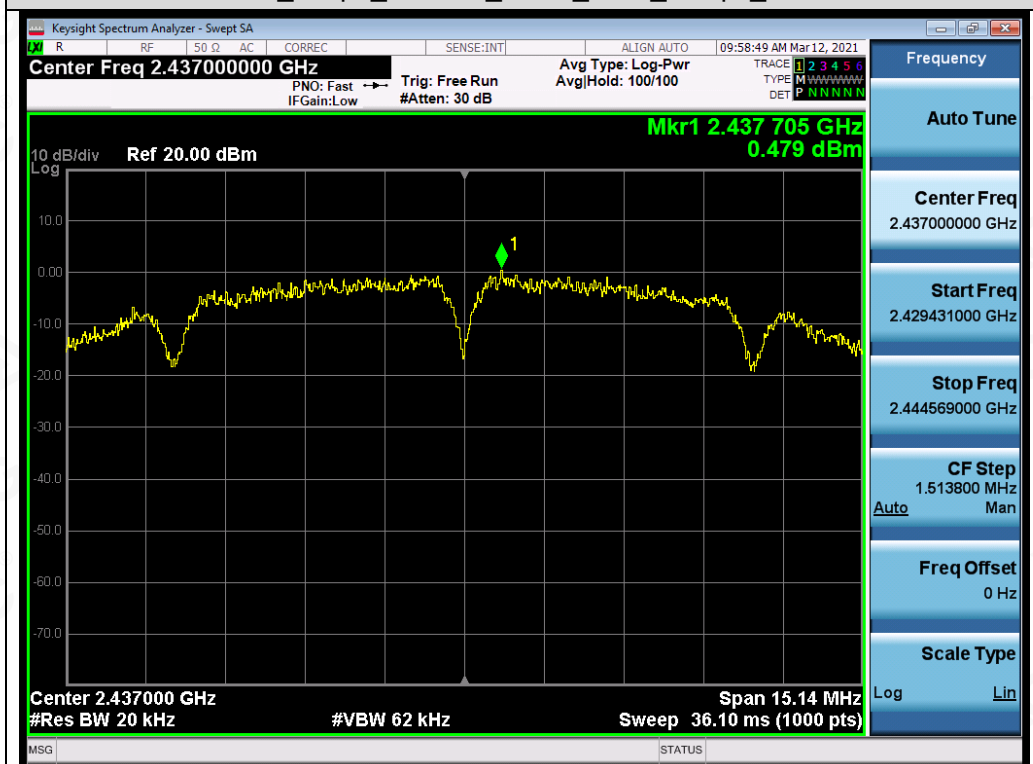
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Test Graphs of Conducted Output Power Spectral Density



Test_Graph_802.11b_ANT1_2412_1Mbps_PSD



Test_Graph_802.11b_ANT1_2437_1Mbps_PSD

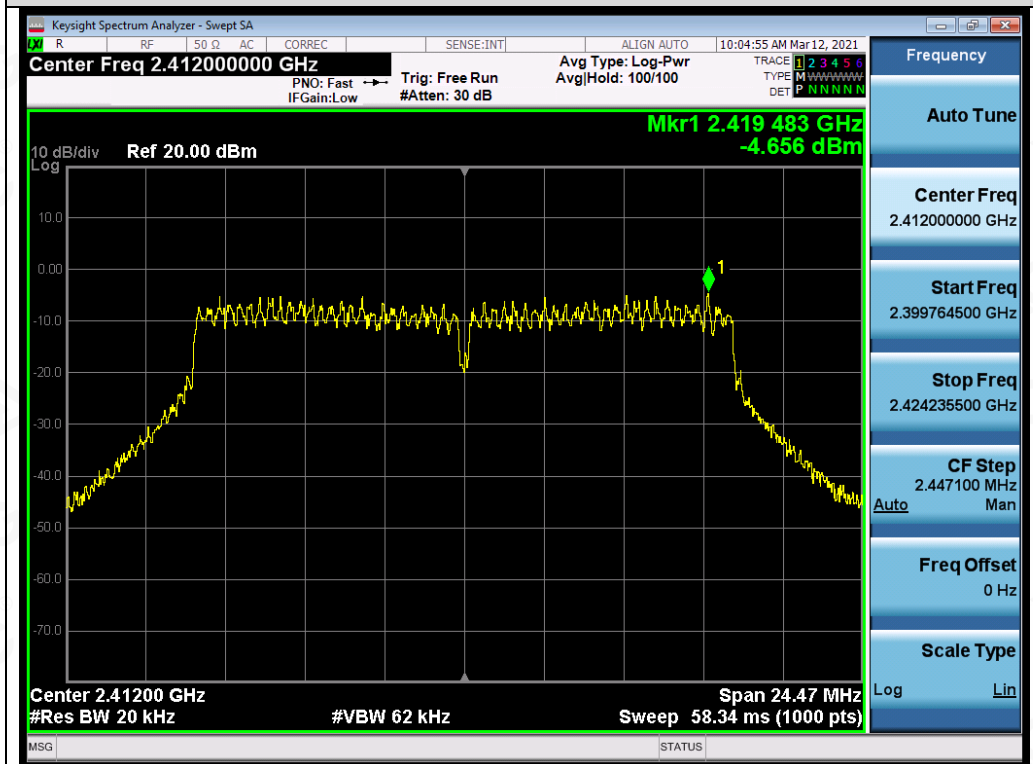
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Test_Graph_802.11b_ANT1_2462_1Mbps_PSD



Test_Graph_802.11g_ANT1_2412_6Mbps_PSD

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